

TDS Impulse Shutter



Installation and Operating Instructions

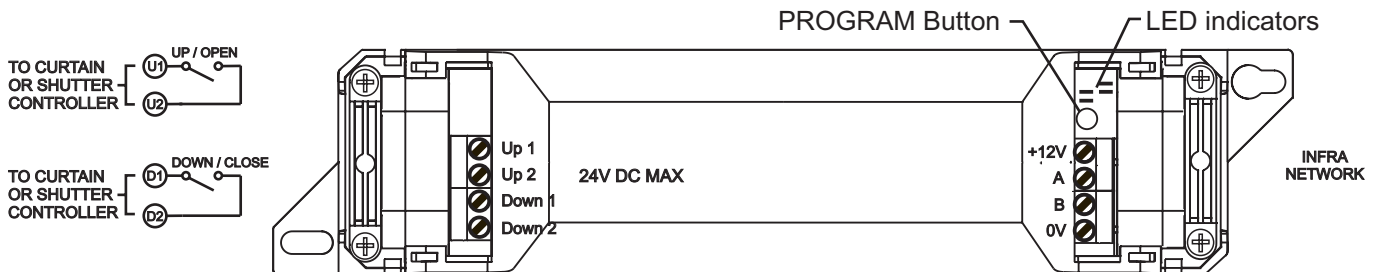
Model Numbers:



Specifications:

DC Power Requirement:	12VDC at 40mA (sourced via infra network)
Number of Relays:	2
Contact Type:	Single Pole Normally open - voltage free inputs
Voltage Rating:	15 V AC maximum (24 VDC)
Current Rating:	1 A maximum
Connection:	Screw Terminal Block 4,0 mm2 1,0-4,0mm2 stranded core 1,0-2,5mm2 single solid core
Relay Switching Time:	approx 10 ms set / release

Relay Expected Lifetime:	100,000 operations at rated load
Physical Layer:	RS 485
Cable :	4 pair (twisted pair CAT5 or similar)
Network Length:	1200 m maximum
Nodes per Network:	RS485 up to 127 nodes
Enclosure:	IP 20
Isolation:	VDE 0829 Part 230
Operating Temperature:	- 5 °C to +45 °C
Storage Temperature:	- 20 °C to +55 °C
Humidity:	15...95 %, not condensing



Shown with wire covers removed

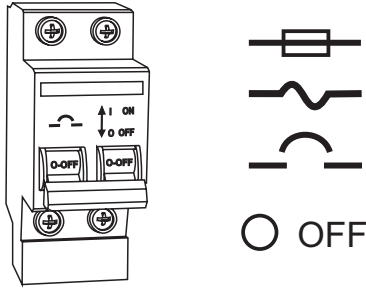
TDS Impulse Shutter



Installation and Operating Instructions

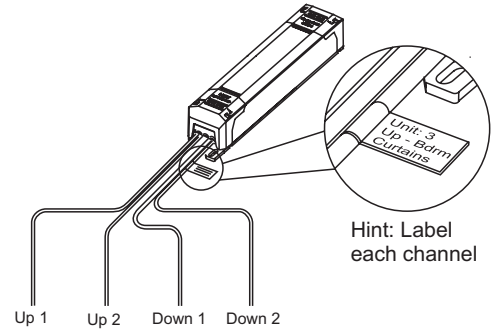
It is illegal for anyone other than a suitably qualified electrician or other qualified person to install or work on the fixed wiring of an electrical installation.

1 Isolate power



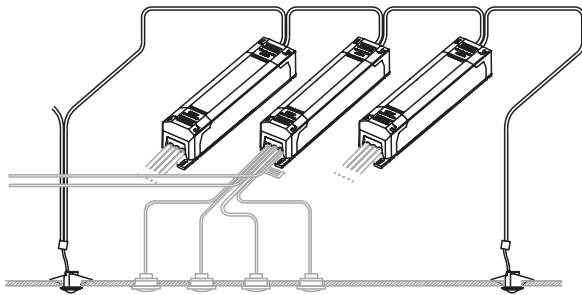
Disconnect power at the main switch board (by switching off circuit breaker or removing fuse).

2 Wire electrical Fixtures to Impulse Shutter

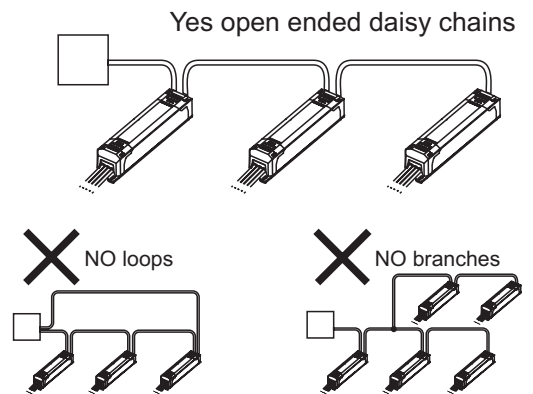


Wire/terminate third party shutter / curtain controllers to Impulse Shutter outputs as per electrical plan. Assemble cable clamp securely.

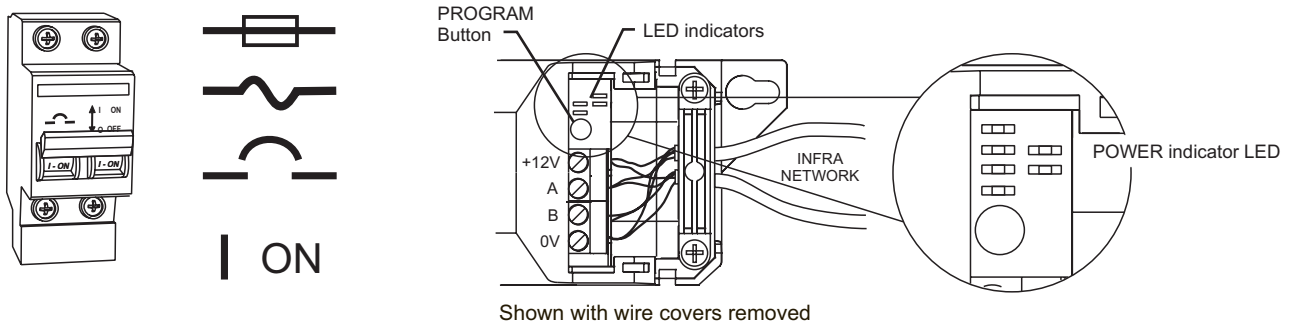
3 Connect Impulse Shutter to network



Connect RP4 units to RS485 network as per electrical plan. Assemble cable clamps securely.



4 Power Up



Shown with wire covers removed

Check wiring thoroughly, activate network and power up. The green Power LED will light.

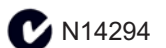
WARRANTY

This product is guaranteed for 3 years from the date of purchase against any defects in materials or workmanship used in or associated with the manufacture and assembly of the equipment. The guarantee applies only to the original owner and is not transferable.

The guarantee does not cover failure due to accidental damage, lightning strike, misuse, short circuited, loading beyond rating, negligence or any alteration whatsoever to the form or content of the equipment. The guarantee becomes null and void if any adjustment, part replacement or repair is carried out by any person other than an authorised service agent.

The purchaser shall be responsible for any expenses involved in making the equipment readily accessible for servicing, and where the equipment is installed outside the capital city metropolitan area of the retailer, for any travelling expenses and any costs for transporting the equipment or parts thereof to and from the retailer or service branch. The purchaser must produce proof of the date of purchase together with this guarantee when making a claim. The retailer or service branch. The purchaser must produce proof of the date of purchase together with this guarantee when making a claim.

TARA Holding Pty. Ltd. reserves the right to change designs or specifications described in this manual without obligation and without notice.



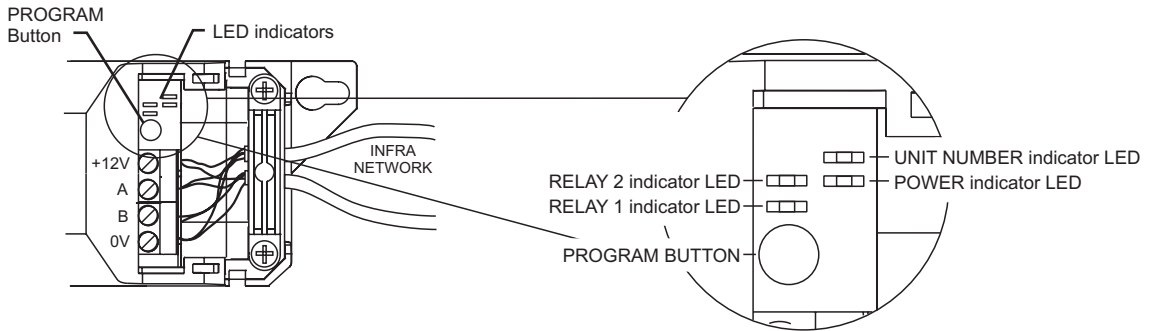
TDS Impulse Shutter



Installation and Operating Instructions

This unit operates at voltages which are potentially lethal. It is illegal for anyone other than a suitably qualified electrician or other qualified person to install or work on the fixed wiring of an electrical installation.

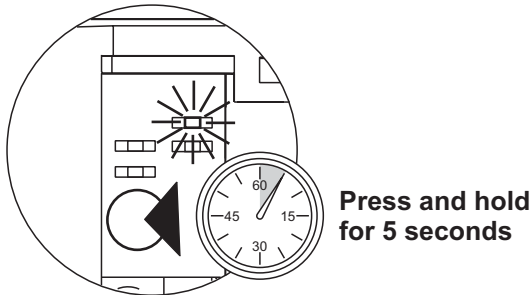
1 PROGRAMMING



LED indicators - shown with wire cover removed

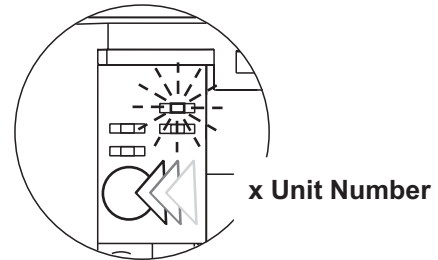
3 Enter Programming Mode

Each Tara Relay/Fan/Dimmer unit in the installation must be programmed with a unique identity so that it can be identified on the network.



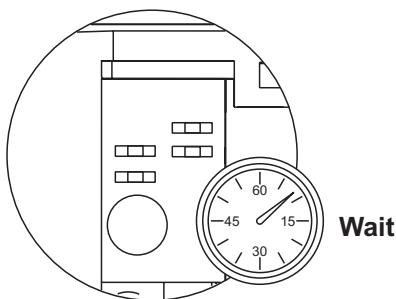
Press and hold the Program button using a pen or similar. After 5 sec. the Unit Number LED will light.

2 Program Unit Number



Use the Program button to enter the desired Unit Number (ie for Unit Number 5 press the button 5 times). The Unit Number LED will now flash to confirm the selection. NOTE: To confirm the Unit Number at any time, press the "Program" button briefly. The "Unit #" led will then flash to show the Unit Number value. The Unit Number is retained in non-volatile memory even when power is removed from the unit.

4 Exit Programming Mode



After a short wait all LEDs will go out. The Impulse Shutter is ready to operate. Replace wire cover.

i Normal Operating Mode Information

Both relays can be controlled via RS485 network communications. Each relay will have the following Network Identity:

UNIT Number (1-255) : CHANNEL NUMBER (1-3)

So for example, if the selected Unit Number = 14, and the desired Channel =3, then:

Network Identity = 14 : 3 (for that relay)

Channel 1 means Up (Up relay closes for 250 msec)

Channel 2 means Down (Down relay closes for 250 msec)

Channel 3 means Stop (Both relays close for 250 msec)

